

FIG. 1 (PRIOR ART)

50 Figs

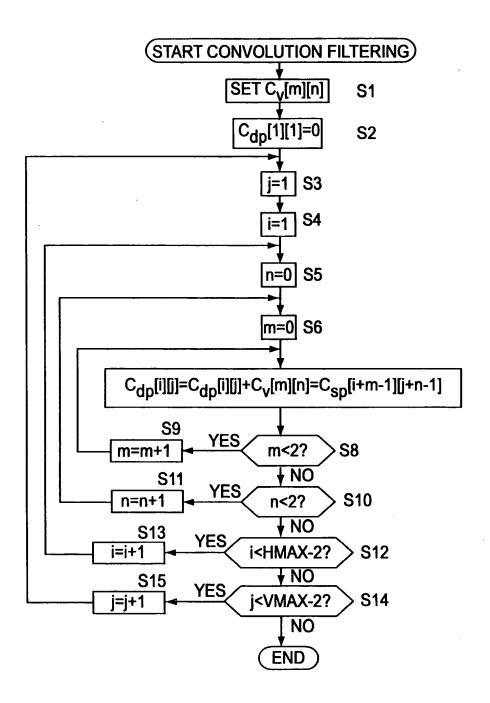


FIG. 2 (PRIOR ART)

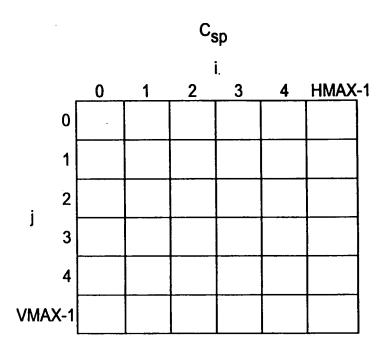


FIG. 3 (PRIOR ART)

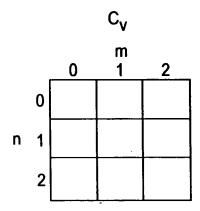


FIG. 4 (PRIOR ART)

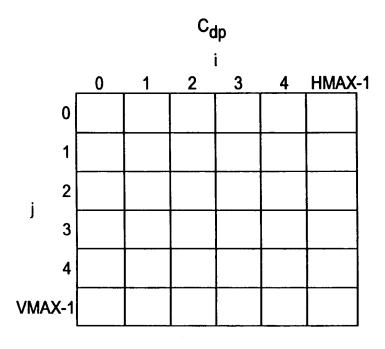


FIG. 5 (PRIOR ART)

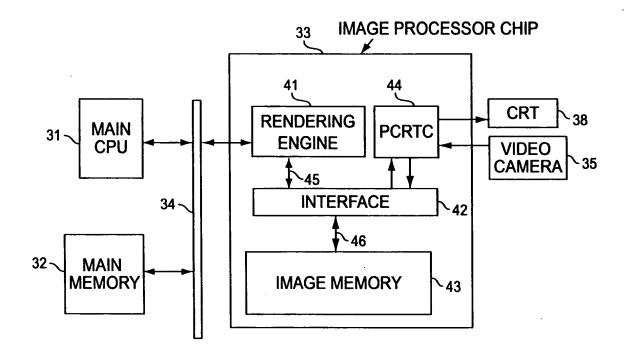
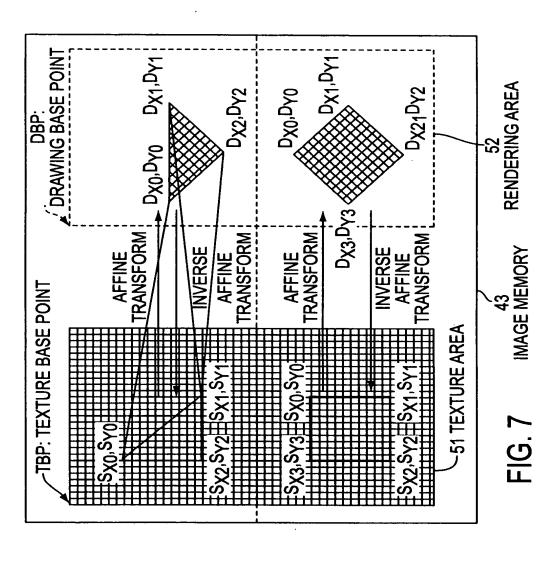
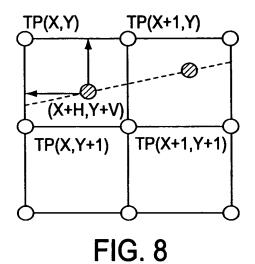
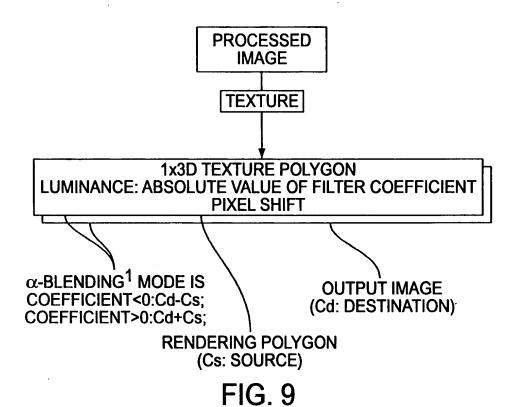


FIG. 6







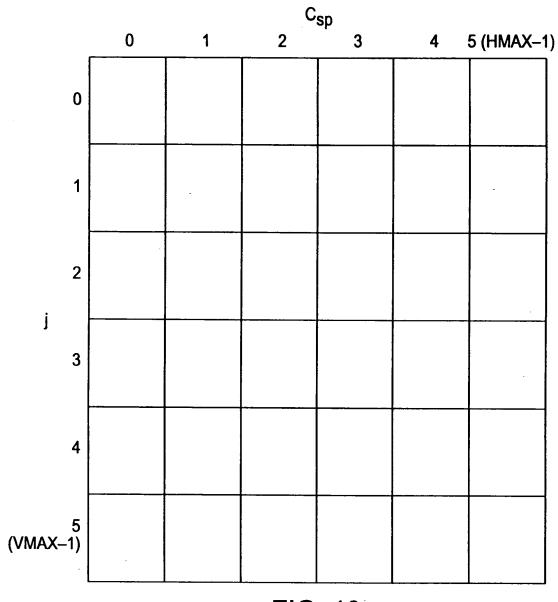


FIG. 10

	0	-	7
0	C00 (1,1)	C,0)	C20 (1,-1)
E ←	C _{0,1}	C ₁₁ (0,0)	C21 (0,-1)
7	C ₀₂ (-1,1)	C ₁₂ (-1,0)	C22 (-1,-1)

CONVOLUTION FILTER COEFFICIENT

FIG. 1

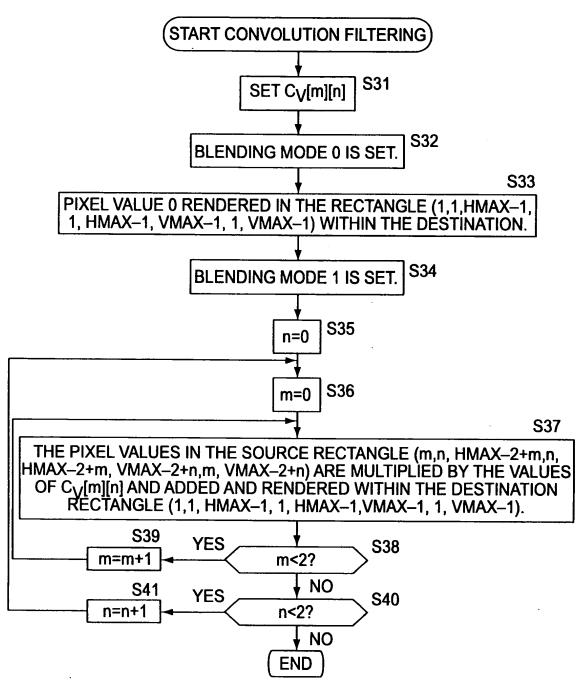


FIG. 12

-		C	dp		
0	1	2	3	4 5	5 (HMAX-1)
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0			

FIG. 13

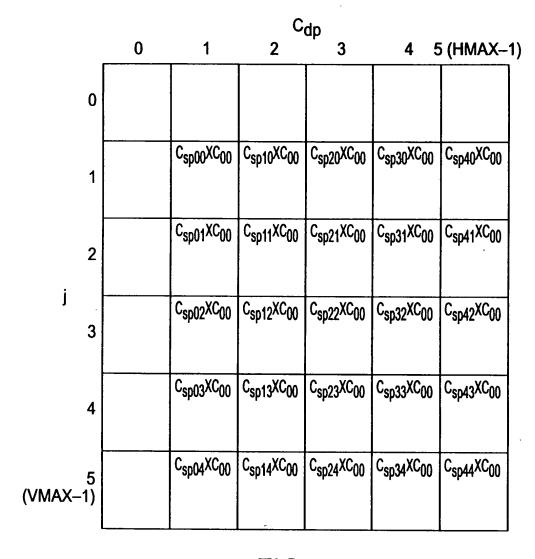


FIG. 14

	C_{dp}					
	0	1	2	3	4 :	5 (HMAX-1)
0						
1		C _{sp00} XC ₀₀ +C _{sp10} XC ₁₀	C _{sp10} XC ₀₀ +C _{sp20} XC ₁₀	C _{sp20} XC ₀₀ +C _{sp30} XC ₁₀	C _{sp30} XC ₀₀ +C _{sp40} XC ₁₀	C _{sp40} XC ₀₀ +C _{sp50} XC ₁₀
2		C _{sp01} XC ₀₀ +C _{sp11} XC ₁₀	C _{sp11} XC ₀₀ +C _{sp21} XC ₁₀	C _{sp21} XC ₀₀ +C _{sp31} XC ₁₀	C _{sp31} XC ₀₀ +C _{sp41} XC ₁₀	C _{sp41} XC ₀₀ +C _{sp51} XC ₁₀
j 3	:	C _{sp02} XC ₀₀ +C _{sp12} XC ₁₀	C _{sp12} XC ₀₀ +C _{sp22} XC ₁₀	C _{sp22} XC ₀₀ +C _{sp32} XC ₁₀	C _{sp32} XC ₀₀ +C _{sp42} XC ₁₀	C _{sp42} XC ₀₀ +C _{sp52} XC ₁₀
4		C _{sp03} XC ₀₀ +C _{sp13} XC ₁₀	C _{sp13} XC ₀₀ +C _{sp23} XC ₁₀	C _{sp23} XC ₀₀ +C _{sp33} XC ₁₀	C _{sp33} XC ₀₀ +C _{sp43} XC ₁₀	C _{sp43} XC ₀₀ +C _{sp53} XC ₁₀
5 (VMAX-1)		C _{sp04} XC ₀₀ +C _{sp14} XC ₁₀	C _{sp14} XC ₀₀ +C _{sp24} XC ₁₀	C _{sp24} XC ₀₀ +C _{sp34} XC ₁₀	C _{sp34} XC ₀₀ +C _{sp44} XC ₁₀	C _{sp44} XC ₀₀ +C _{sp54} XC ₁₀
_						

FIG. 15

			C	dp		
	0	1	2	3	4 5	(HMAX-1)
0						
1		+C _{sp10} XC ₁₀	+C _{sp20} XC ₁₀	+C _{sp30} XC ₁₀	C _{sp30} XC ₀₀ +C _{sp40} XC ₁₀ +C _{sp50} XC ₂₀	+C _{sp50} XC ₁₀
2		+C _{sp11} XC ₁₀	+C _{sp21} XC ₁₀	+C _{sp31} XC ₁₀	C _{sp31} XC ₀₀ +C _{sp41} XC ₁₀ +C _{sp51} XC ₂₀	+C _{sp51} XC ₁₀
3		+C _{sp12} XC ₁₀	+C _{sp22} XC ₁₀	+C _{Sp32} XC ₁₀	C _{sp32} XC ₀₀ +C _{sp42} XC ₁₀ +C _{sp52} XC ₂₀	+C _{sp52} XC ₁₀
4		+C _{sp13} XC ₁₀	+C _{sp23} XC ₁₀	+C _{sp33} XC ₁₀	C _{sp33} XC ₀₀ +C _{sp43} XC ₁₀ +C _{sp53} XC ₂₀	+C _{sp53} XC ₁₀
5 (VMAX-1)		+C _{sp14} XC ₁₀	+C _{sp24} XC ₁₀	+C _{sp34} XC ₁₀	C _{sp34} XC ₀₀ +C _{sp44} XC ₁₀ +C _{sp54} XC ₂₀	+C _{sp54} XC ₁₀

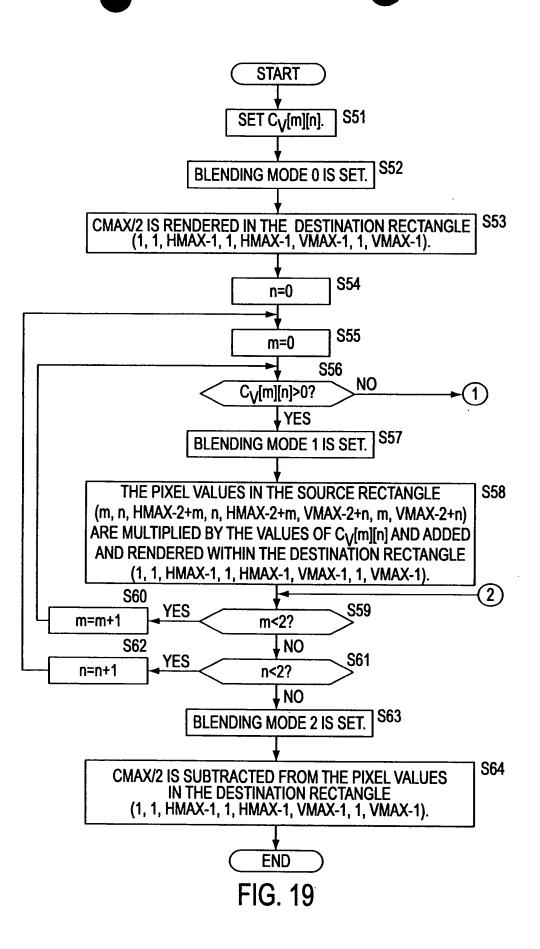
FIG. 16

	C _{dp}					
	0	1	2	3	4 5	(HMAX-1
0						
1		Sp20^C20	**************************************	C _{sp20} XC ₀₀ +C _{sp30} XC ₁₀ +C _{sp40} XC ₂₀ +C _{sp21} XC ₀₁	1 ^{TO} S050 ^{AO} 20	C _{sp40} XC ₀₀ +C _{sp50} XC ₁₀ +C _{sp41} XC ₀₁
2		C _{sp01} XC ₀₀ +C _{sp11} XC ₁₀ +C _{sp21} XC ₂₀ +C _{sp02} XC ₀₁	C _{sp11} XC ₀₀ +C _{sp21} XC ₁₀ +C _{sp31} XC ₂₀ +C _{sp12} XC ₀₁	C _{sp21} XC ₀₀ +C _{sp31} XC ₁₀ +C _{sp41} XC ₂₀ +C _{sp22} XC ₀₁	C _{sp31} XC ₀₀ +C _{sp41} XC ₁₀ +C _{sp51} XC ₂₀ +C _{sp32} XC ₀₁	C _{sp41} XC ₀₀ +C _{sp51} XC ₁₀ +C _{sp42} XC ₀₁
j . 3.		sp22^C20	**************************************	C _{sp22} XC ₀₀ +C _{sp32} XC ₁₀ +C _{sp42} XC ₂₀ +C _{sp23} XC ₀₁	**************************************	C _{sp42} XC ₀₀ +C _{sp52} XC ₁₀ +C _{sp43} XC ₀₁
4		+C _{sp23} XC ₂₀	+C _{sp23} XC ₂₀	C _{sp23} XC ₀₀ +C _{sp33} XC ₁₀ +C _{sp43} XC ₂₀ +C _{sp24} XC ₀₁	+C _{sp43} XC ₁₀ +C _{sp53} XC ₂₀	sp53 ^{XC} 10
5 (VMAX-1)		C _{sp04} XC ₀₀ +C _{sp14} XC ₁₀ +C _{sp24} XC ₂₀ +C _{sp05} XC ₀₁	C _{sp14} XC ₀₀ +C _{sp24} XC ₁₀ +C _{sp34} XC ₂₀ +C _{sp15} XC ₀₁	C _{sp24} XC ₀₀ +C _{sp34} XC ₁₀ +C _{sp44} XC ₂₀ +C _{sp25} XC ₀₁	C _{sp34} XC ₀₀ +C _{sp44} XC ₁₀ +C _{sp54} XC ₂₀ +C _{sp35} XC ₀₁	C _{sp44} XC ₀₀ +C _{sp54} XC ₁₀ +C _{sp45} XC ₀₁

FIG. 17

	C _{dp}					
	0	11	2	3	4 5	(HMAX-1)
0				-		
1		:		C _{sp20} XC ₀₀ +C _{sp30} XC ₁₀ +C _{sp40} XC ₂₀ +C _{sp21} XC ₀₁ +C _{sp42} XC ₂₂		C _{sp40} XC ₀₀ +C _{sp50} XC ₁₀ +C _{sp41} XC ₀₁
2		C _{sp01} XC ₀₀ +C _{sp11} XC ₁₀ +C _{sp21} XC ₂₀ +C _{sp02} XC ₀₁ +C _{sp23} XC ₂₂	C _{sp11} XC ₀₀ +C _{sp21} XC ₁₀ +C _{sp31} XC ₂₀ +C _{sp12} XC ₀₁ +C _{sp33} XC ₂₂	C _{sp21} XC ₀₀ +C _{sp31} XC ₁₀ +C _{sp41} XC ₂₀ +C _{sp22} XC ₀₁ +C _{sp43} XC ₂₂	C _{sp31} XC ₀₀ +C _{sp41} XC ₁₀ +C _{sp51} XC ₂₀ +C _{sp32} XC ₀₁ +C _{sp53} XC ₂₂	•
j		C _{sp02} XC ₀₀ +C _{sp12} XC ₁₀ +C _{sp22} XC ₂₀ +C _{sp03} XC ₀₁	C _{sp12} XC ₀₀ +C _{sp22} XC ₁₀ +C _{sp32} XC ₂₀ +C _{sp13} XC ₀₁	C _{sp22} XC ₀₀ +C _{sp32} XC ₁₀ +C _{sp42} XC ₂₀ +C _{sp23} XC ₀₁ +C _{sp44} XC ₂₂	C _{sp32} XC ₀₀ +C _{sp42} XC ₁₀ +C _{sp52} XC ₂₀ +C _{sp33} XC ₀₁	C _{sp42} XC ₀₀ +C _{sp52} XC ₁₀ +C _{sp43} XC ₀₁
4		C _{sp03} XC ₀₀ +C _{sp13} XC ₁₀ +C _{sp23} XC ₂₀ +C _{sp04} XC ₀₁	C _{sp13} XC ₀₀ +C _{sp23} XC ₁₀ +C _{sp33} XC ₂₀ +C _{sp14} XC ₀₁	C _{sp23} XC ₀₀ +C _{sp33} XC ₁₀ +C _{sp43} XC ₂₀ +C _{sp24} XC ₀₁ +C _{sp45} XC ₂₂	C _{sp33} XC ₀₀ +C _{sp43} XC ₁₀ +C _{sp53} XC ₂₀ +C _{sp34} XC ₀₁	C _{Sp43} XC ₀₀ +C _{Sp53} XC ₁₀ +C _{Sp44} XC ₀₁
5 (VMAX-1)		C _{sp04} XC ₀₀ +C _{sp14} XC ₁₀ +C _{sp24} XC ₂₀ +C _{sp05} XC ₀₁	C _{sp14} XC ₀₀ +C _{sp24} XC ₁₀ +C _{sp34} XC ₂₀ +C _{sp15} XC ₀₁	C _{sp24} XC ₀₀ +C _{sp34} XC ₁₀ +C _{sp44} XC ₂₀ +C _{sp25} XC ₀₁	C _{sp34} XC ₀₀ +C _{sp44} XC ₁₀ +C _{sp54} XC ₂₀ +C _{sp35} XC ₀₁	C _{sp44} XC ₀₀ +C _{sp54} XC ₁₀ +C _{sp45} XC ₀₁

FIG 18



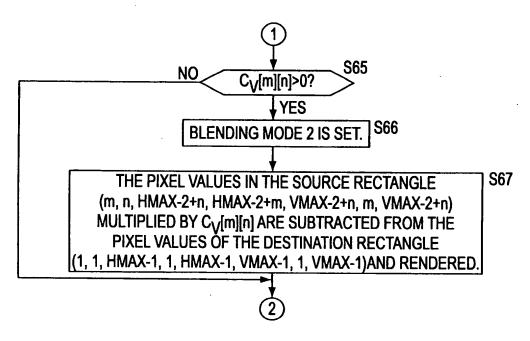
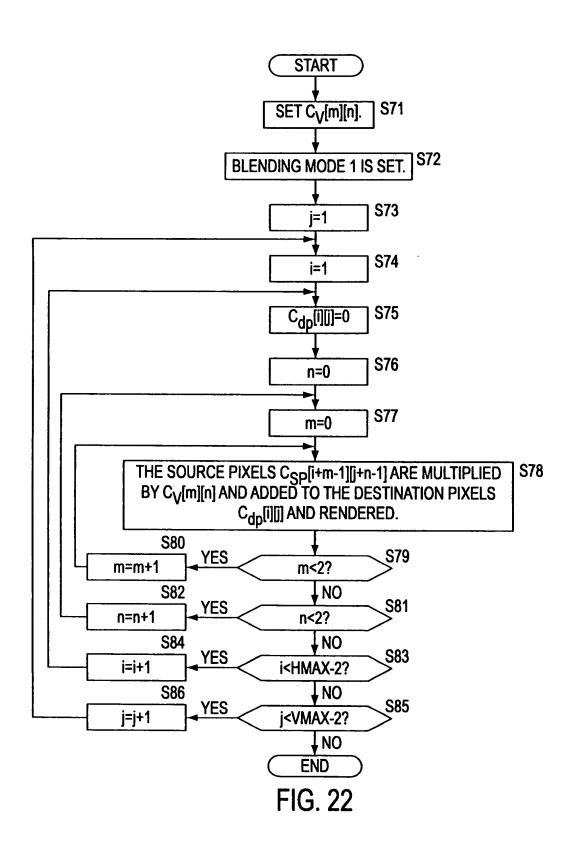


FIG. 20

	C _{dp}					
	0	1	2	3	4	5 (HMAX-1)
0						
1		CMAX 2	CMAX 2	CMAX 2	CMAX 2	CMAX 2
2		CMAX 2	CMAX 2	CMAX 2	CMAX 2	CMAX 2
j 3		CMAX 2	CMAX 2	CMAX 2	CMAX 2	CMAX 2
4		CMAX 2	CMAX 2	CMAX 2	CMAX 2	CMAX 2
5 (VMAX-1)		CMAX 2	CMAX 2	CMAX 2	CMAX 2	CMAX 2

FIG. 21



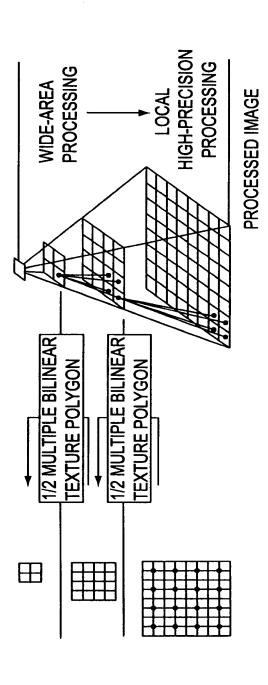


FIG. 23

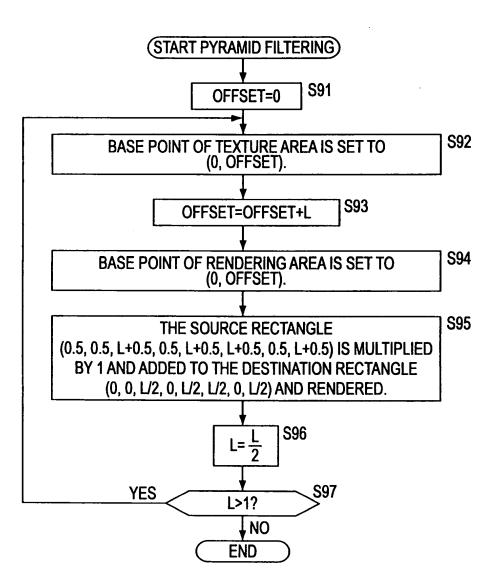


FIG. 24

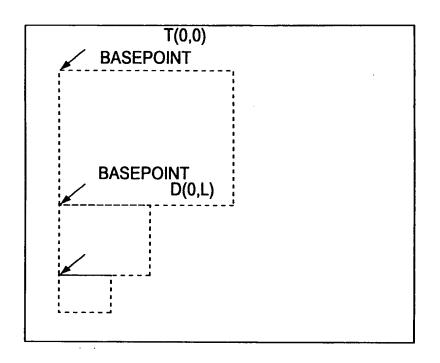


FIG. 25

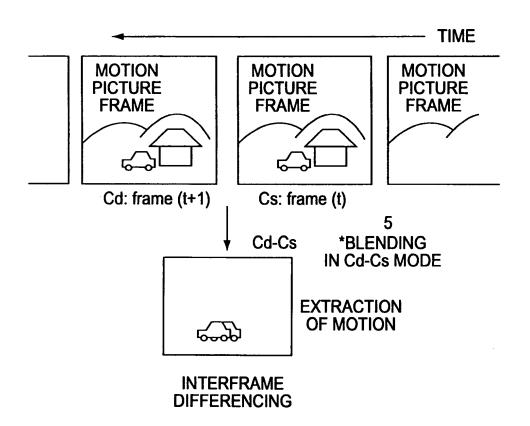


FIG. 26

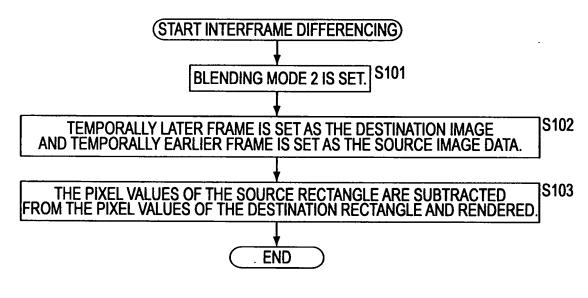


FIG. 27

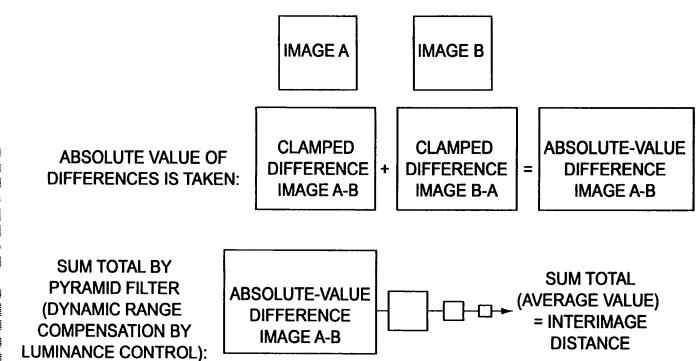


FIG. 28

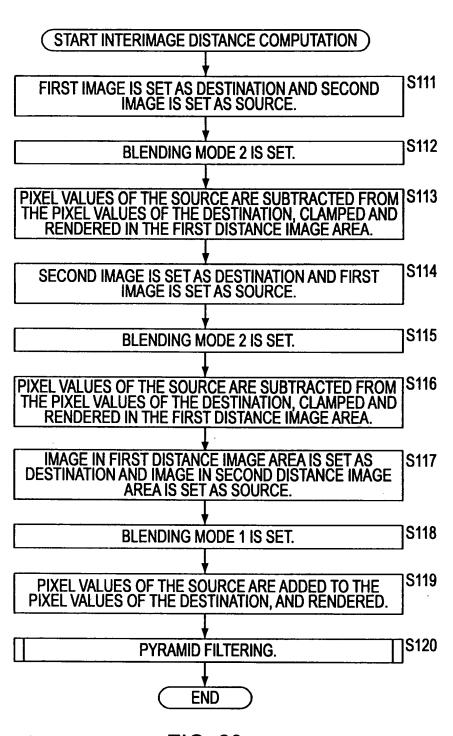
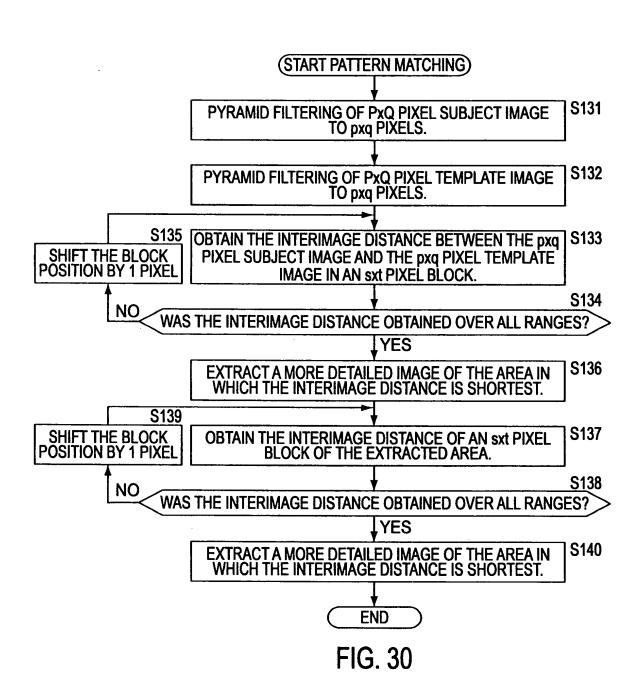


FIG. 29



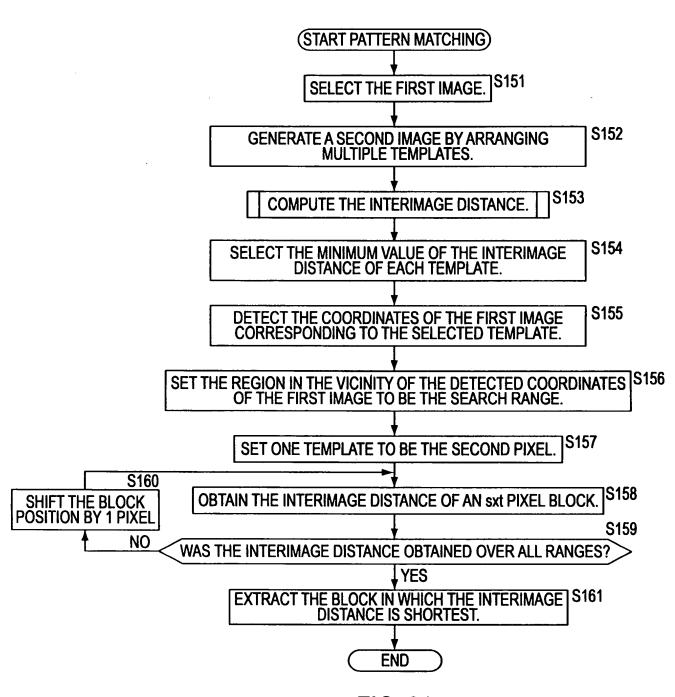


FIG. 31

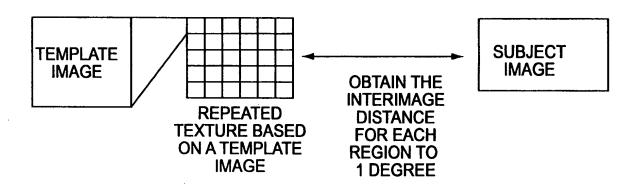


FIG. 32

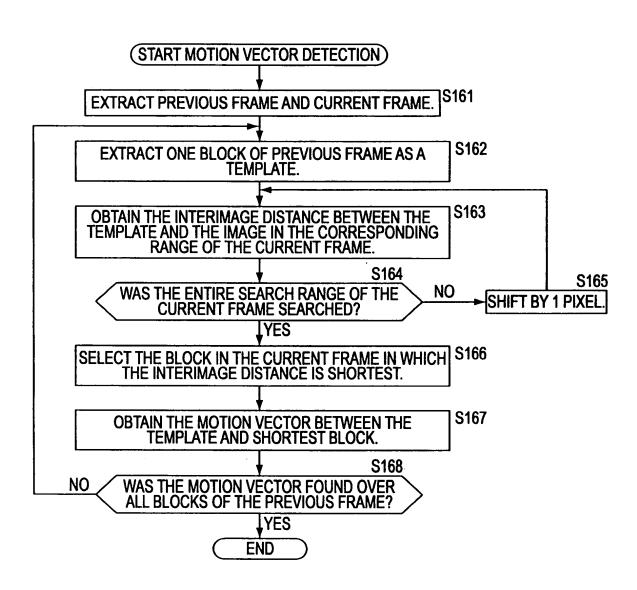


FIG. 33

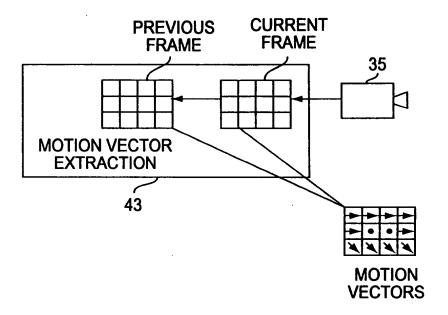


FIG. 34

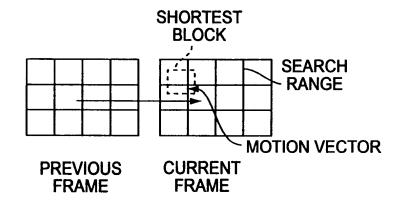
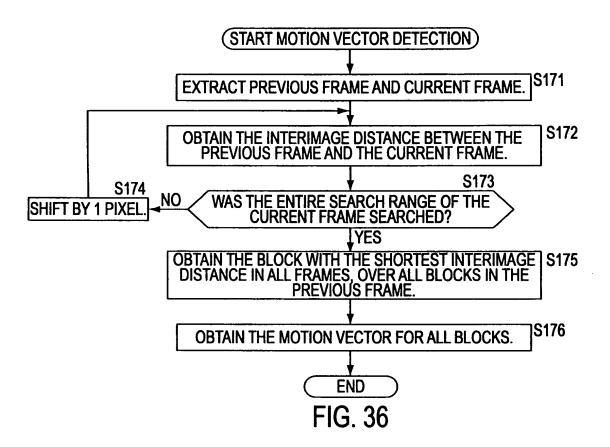


FIG. 35



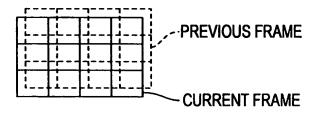
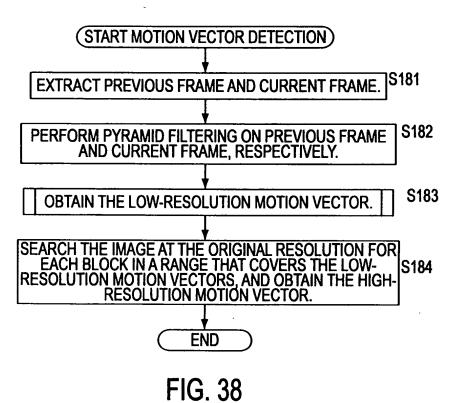


FIG. 37



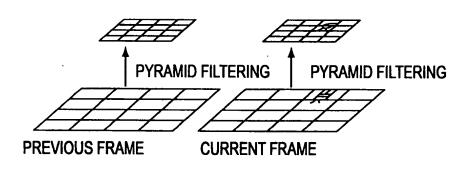


FIG. 39

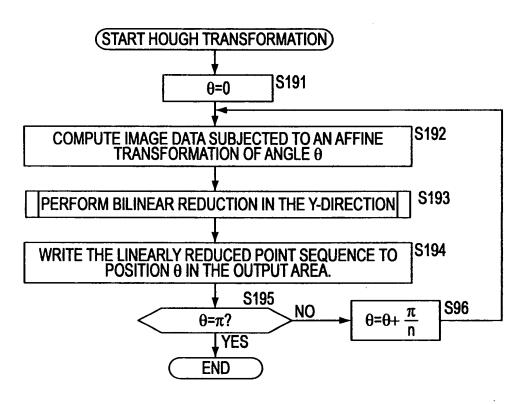


FIG. 40

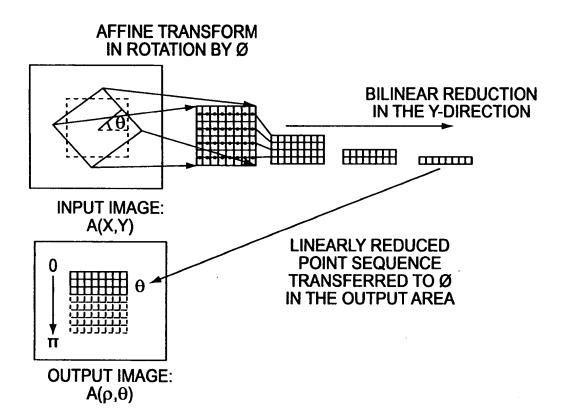
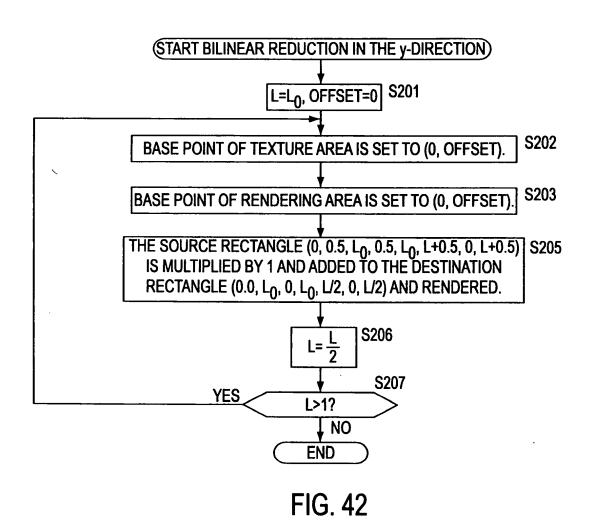


FIG. 41



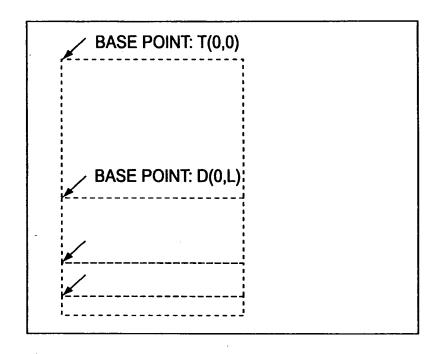


FIG. 43

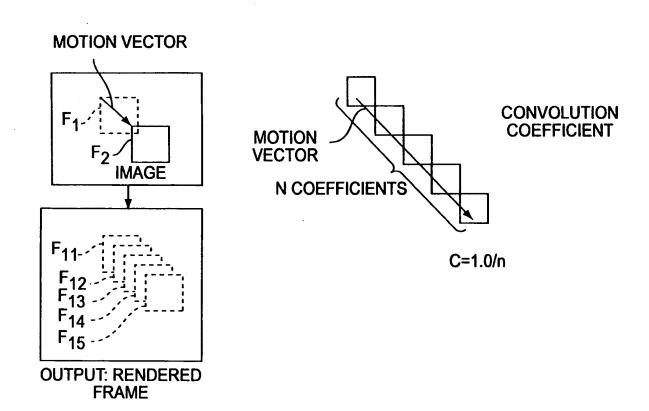


FIG. 44

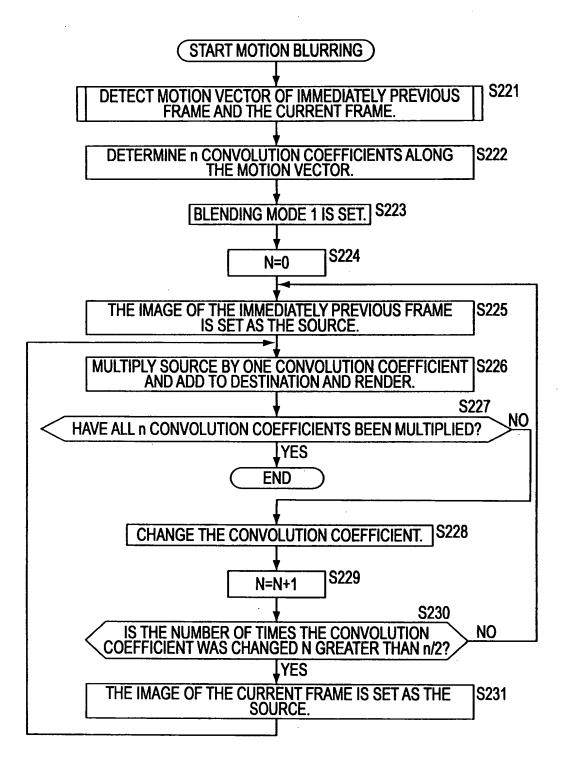


FIG. 45

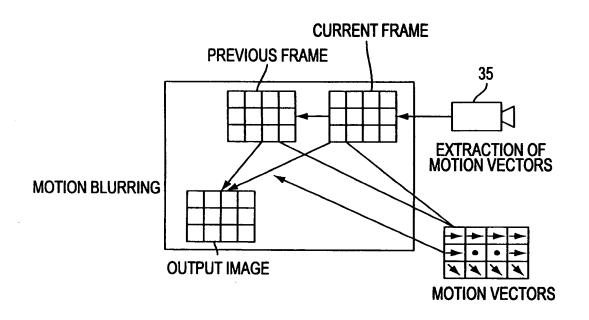


FIG. 46

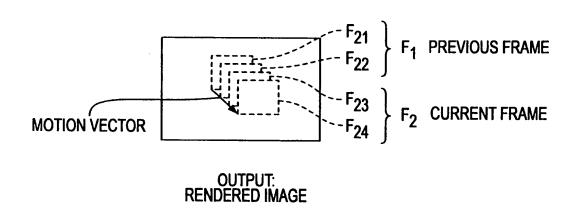


FIG. 47

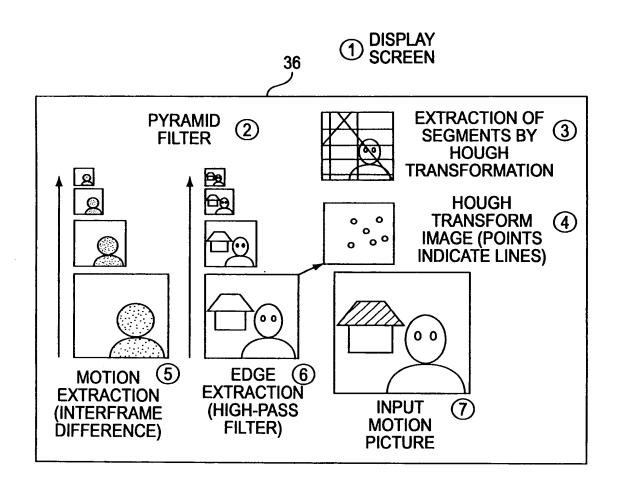


FIG. 48

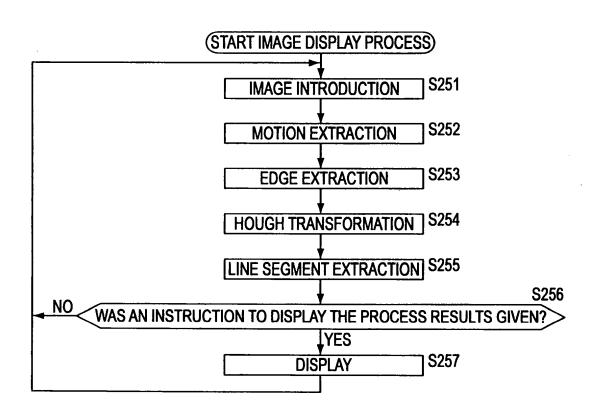
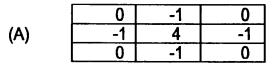


FIG. 49



	-1	-1	-1
(B)	-1	8	-1
•	-1	-1	-1

	-1/4	-1/4	-1/4
(C)	-1/4	2	-1/4
	-1/4	-1/4	-1/4

	-1/8	-1/8	-1/8
(D)	-1/8	1	-1/8
	-1/8	-1/8	-1/8

FIG. 50